

PROBLEM

The main problem that our project FreedomFi tries to solve is to allow the user with limited access to the internet the freedom to browse whatever they want to securely and without restriction. Some governments and countries have restricted their citizen's internet access, and our project FreedomFi aims to provide information about which countries have limited access and ways to counteract that restriction.

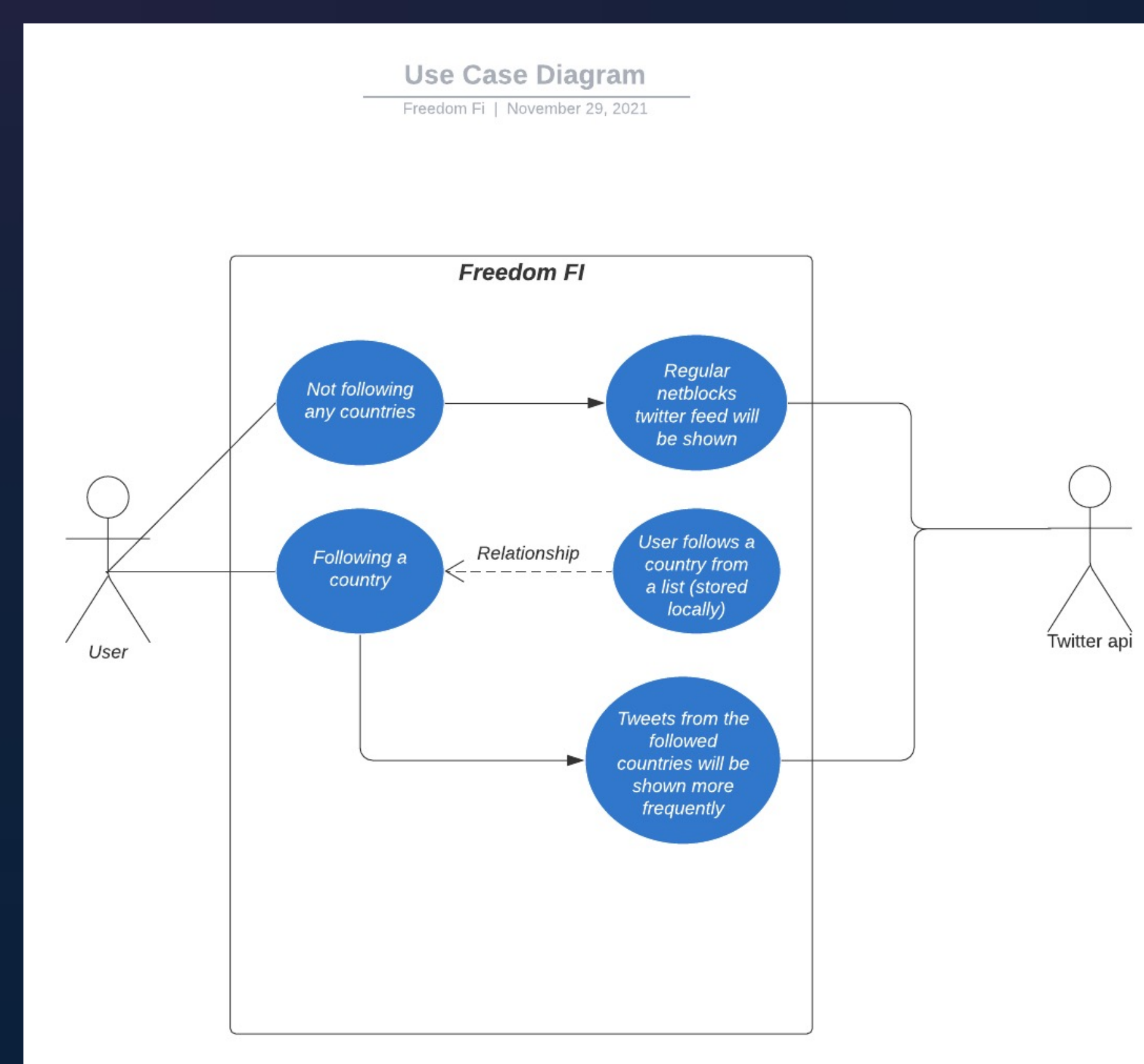
CURRENT SYSTEM

Currently our project calls an api to twitter to display tweets from Netblocks twitter account, and netblocks is where we will be getting the main source of information, as its main goal is to show users what countries have limited access and how limited their access is. Aside from that we have a list of countries that the user can follow, which would show more frequently updates from their followed countries.

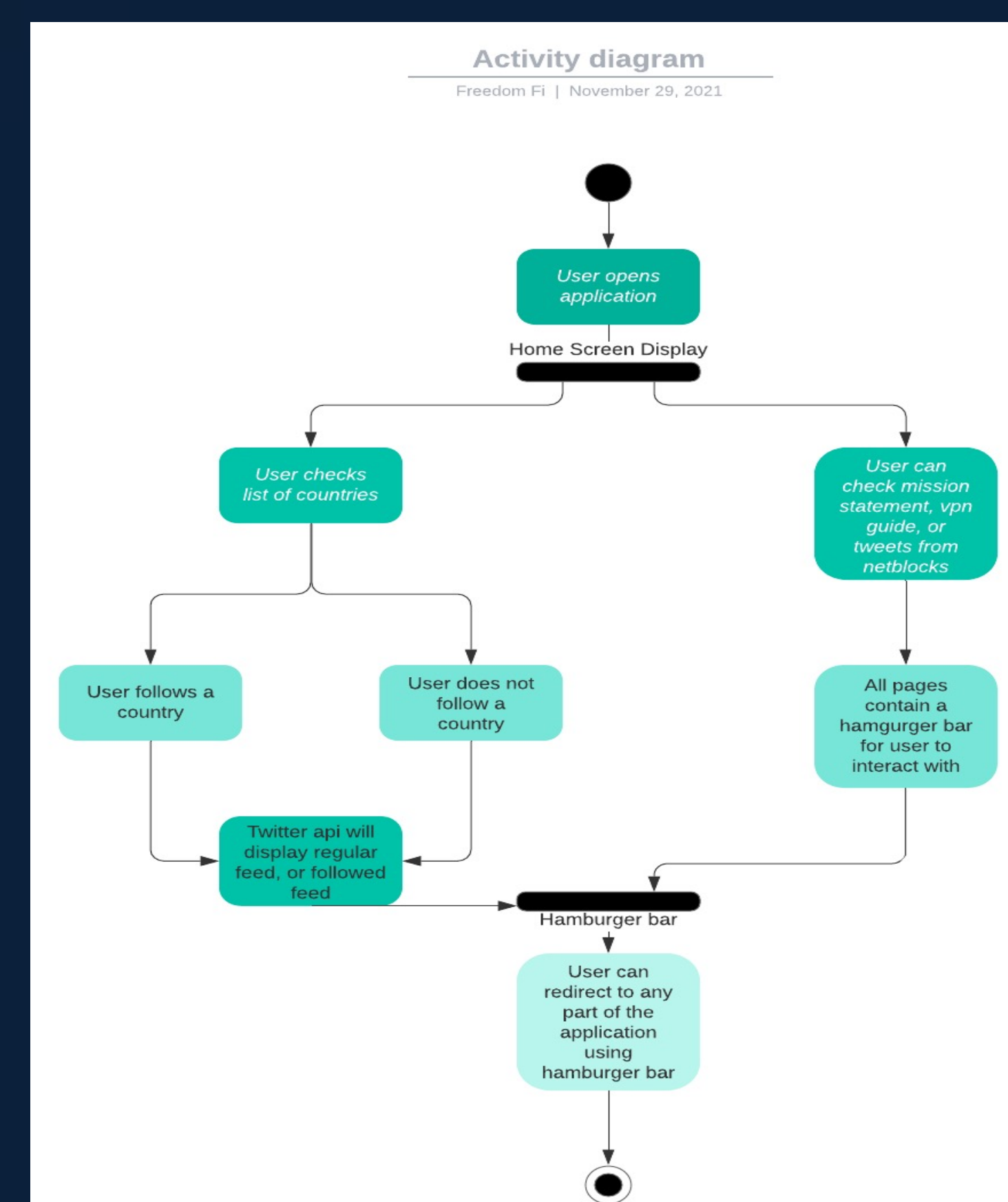
REQUIREMENTS

The goal for this semester for our group was to create our project FreedomFi, an application from scratch with support for both mobile and website use. The main goal was to implement twitter api calls to display netblocks tweets, as they are the main source of information from the application, and allow users to choose from a list of countries which to follow (stored locally, not in a database)

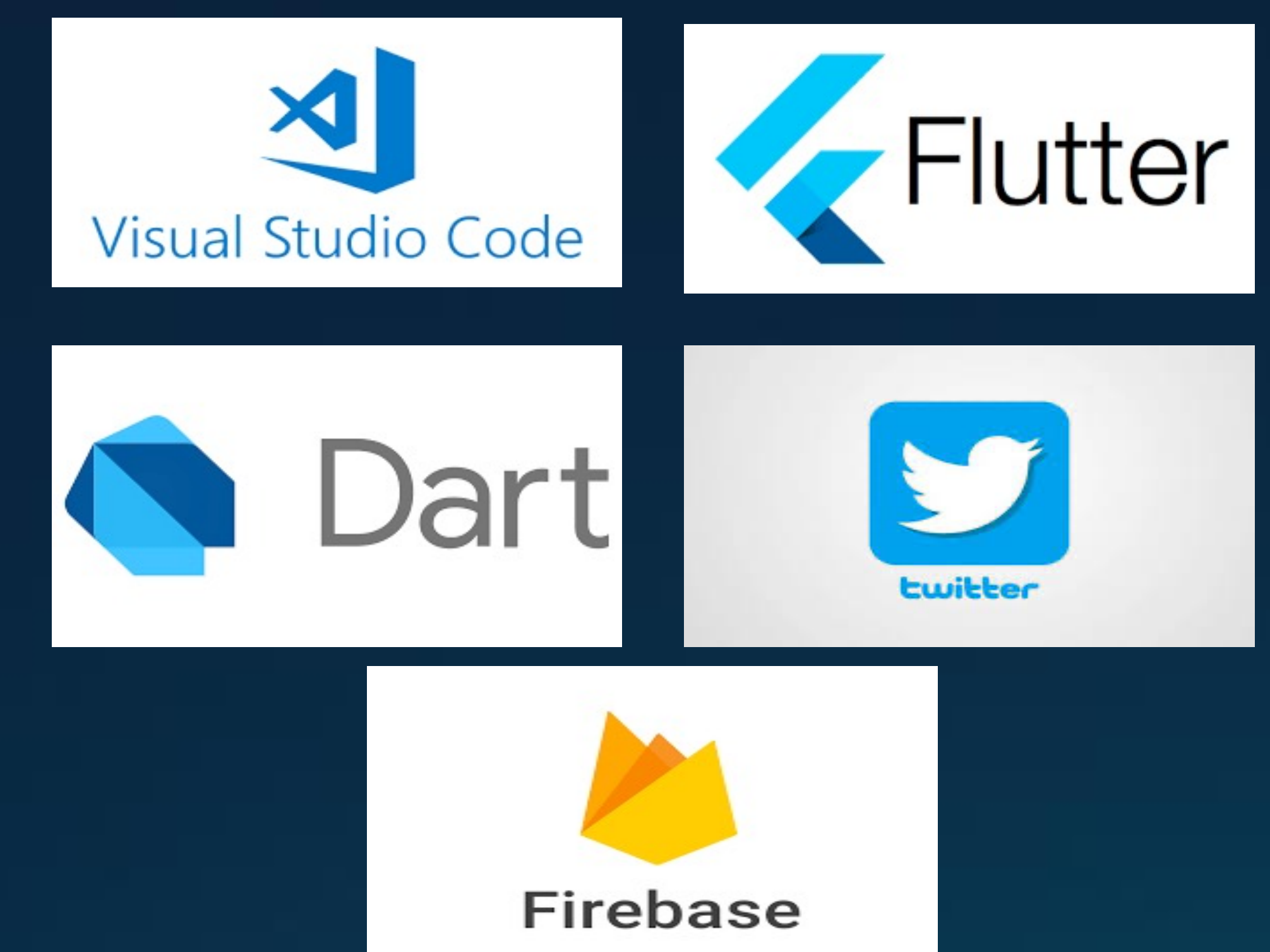
OBJECT DESIGN



SYSTEM DESIGN



IMPLEMENTATION



VERIFICATION

The app was tested and created using visual studio codes built-in emulator display and website application testing features to ensure the application would run. The entirety of the code is available under the Freedom Fi organization on GitHub.

SUMMARY

In this 1st iteration of the FreedomFi app, we worked as a group to built this app from the ground up and bring this wonderful idea made by Gus to life. The biggest requirement was to get the netblocks tweets to display, which was completed successfully, after which we had to create a list of countries that the user could select from, and that was also completed.

REFERENCES

Netblocks.org:
NetBlocks. (2018, January 10). *News Archives*. Retrieved November 29, 2021, from <https://netblocks.org/news>
Freedom House. 2021. *Expanding freedom and democracy*. [online] Available at: <https://freedomhouse.org/> [Accessed 29 November 2021].